Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims

1. (previously presented) A device for manufacturing an intravascular stent, comprising:

a base having a first surface and a second surface;

a laser cutting system attached to the first surface of the base, wherein the laser cutting system includes a laser/water jet hybrid;

a linear motor attached to the second surface of the base;

a rotary motor coupled to the linear motor, wherein the rotary motor is positioned below the linear motor;

a workpiece coupled to the rotary motor, the workpiece positioned below the linear motor;

a pre-cut guide coupled to the workpiece; and

a post-cut guide coupled to the workpiece.

2-4. (canceled)

5. (previously presented) The device of claim 1, further comprising a fluid that is passed onto or through the workpiece.

6. (original) The device of claim 1, wherein the base includes granite.

7. (previously presented) The device of claim 1, wherein the linear motor is configured to move the workpiece horizontally.

8. (original) The device of claim 1, wherein the linear motor is upside-down.

9-10. (canceled)

11. (original) The device of claim 1, wherein the laser cutting system is configured to transmit laser energy in the horizontal direction.

12. (original) The device of claim 11, further comprising a tuning mirror that reflects the horizontally transmitted laser energy from the horizontal direction to the vertical direction.

13. (previously presented) A device for cutting a stent from a tube, comprising:

a base member having a top surface and a bottom surface;

a first motor having a top surface and a bottom surface, the bottom surface of the first motor being attached to the bottom surface of the base member, such that the first motor is attached upside-down to the base member;

a laser cutting device attached to the top surface of the base member, wherein the laser cutting system includes a laser/water jet hybrid;

a rotary motor attached to the first motor, wherein the rotary motor is positioned below the first motor; and

a tubular workpiece connected to the rotary motor;

wherein the tubular workpiece is positioned below the first motor.

14. (original) The device of claim 13, further comprising one or more guides coupled to the base member.

15. (original) The device of claim 13, further comprising one or more guides coupled to a base portion of the first motor.

16. (original) The device of claim 13, further comprising one or more guides coupled to an interface plate of the first motor.

17. (original) The device of claim 13, further comprising a fluid that is passed onto or through the workpiece.

18. (original) The device of claim 13, wherein the base member includes granite.

19. (original) The device of claim 13, wherein the first motor is configured to move a workpiece horizontally.

20-29. (canceled)